

1. (Currently Amended) A metal halide lamp having superior red rendering characteristics, said lamp comprising:

an arc tube formed of a material transmissive to visible radiation; and

a fill of ~~metal halides~~ mercury and Ar or Xe in said vessel, said fill also comprising at least one member selected from the group consisting of  $\text{CaI}_2$ ,  $\text{CaBr}_2$  plus at least one member selected from the group consisting of  $\text{AlI}_3$ ,  $\text{AlBr}_3$ ,  $\text{GaI}_3$ ,  $\text{GaBr}_3$  plus at least one member selected from the group consisting of  $\text{TlI}$  and  $\text{TlBr}$ ; and

discharge electrodes disposed at opposite ends within said arc tube, ~~and wherein the fill further comprises mercury and either Ar or Xe;~~ and

wherein the  $\text{CaI}_2$  or  $\text{CaBr}_2$  or both are in a molar quantity between about 10 and 75% of the total molar quantity of the total halides; and

wherein the  $\text{AlI}_3$  or  $\text{AlBr}_3$  or both are in a molar quantity between about 2 and 50% of the total molar quantity of the total halides; and

wherein the  $\text{TlI}$  or  $\text{TlBr}$  or both are in a molar quantity between about 5 and 50% of the total molar quantity of the total halides.

Serial No.: 10/056,457  
Art Unit : 2879

## CLAIM AMENDMENTS

2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)

Claims 2 through 13 stand cancelled without prejudice.  
Independent claim 1 remains in the application as it is currently amended  
in this After Final response.